Voltage readings

[DC] *measured at idle, w/r/t chassis ground*

AC *peak-to-peak signal (measured with scope) using 0.5V 500Hz sine wave input, all controls straight up (12:00)*

"Clean" up to both volume controls at 10:00 (27Vp-p)

Approx. 7 Vrms before significant distortion

PHONE JACK J2 · R10 1M · R11 33k · V4 6AU6 · R12 220k · R14 1M · C6 22n · C10 220n/630V · C11 22u/50V · R13 1k5 · C7 1n · C8 4n7 · C9 10n · R27 1M-A Treble · R28 1M-A Bass · R15 150k · R16 100k · R29 1M-A Volume · C14 4n7 · C12 47n · C13 47n · R17 1M · R18 1M · R19 47k · R20 1k2 · V2B ECL86 · V3B ECL86 · R21 82k · R24 91k · C15 22n · C16 22n · R30 1M-A Master Volume · R22 220k · R25 220k · R23 1k5 · R26 1k5 · V2A ECL86 · V3A ECL86 · R7 1k · R8 1k · TP1 · TP2 · TP3 · R35 1 ohm · R36 1 ohm · R9 330/5W · T2 7200:8 · J3 PHONE JACK

SW1 SW SPST · F1 FUSE · AC J1 · T1 PT Hct+6.3+5 · V1 5Z4 · 5VAC · 6.3VAC · To all 6V filaments · R1 100 · R2 100 · R31 150k · D1 1N4007 · R32 10k · C17 33u/50V · R34 20k · C18 33u/50V · R33 10k · Bias adjust · R3 220/5W · R4 2k2 · R5 2k2 · R6 220k/2W · C1 20u/500V · C2 40u/500V · C3 20u/500V · C4 20u/450V · C5 20u/500V

NOTES:

1. All resistors 1/2W unless otherwise noted.
2. All caps 500V unless otherwise noted.
3. PT is salvaged from a record player with 2 6V6s, 2 12AX7s and a 5Y3 rectifier. No-load high voltage out is 315-0-315.

Harmonic Appliances

Highway 86

Size: B	Module: based on Aharon Colman's Hwy86		
Date: Wednesday, June 23, 2004	Sheet 1 of 1	Rev.: A1	

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